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**Abstract**

- 5 The invention relates to a method for the determination of the object distance between an opto-electronic sensor working according to the principle of triangulation and an object,
- wherein the sensor has at least one measuring channel between a transmission unit for the emission of electromagnetic sensing rays into  
10 the measuring region and a reception unit for the detection of sensing rays reflected and/or remitted from the measuring region;
  - wherein the sensor has at least one additional channel which has a further transmission unit and/or a further reception unit in addition to the transmission unit and the reception unit; and
  - 15 - wherein the received signals of the measuring channel and of the additional channel are jointly evaluated for the determination of the object distance.

The invention further relates to an apparatus for the carrying out of this method.